

**NETWORK USAGE ANALYSIS SYSTEM HAVING DYNAMIC  
STATISTICAL DATA DISTRIBUTION SYSTEM AND METHOD**

**Abstract of the Disclosure**

- 5           A network usage analysis system and method having a dynamic statistical data distribution system and method is disclosed herein. In one embodiment, the present invention provides a method for substantially real-time analyzing of a stream of data. The method includes receiving the stream of data. A data distribution is determined representative of the stream of data, including
- 10   creating data bins having exponentially increasing sizes, and allocating a statistical representation of the data in the data bins. The data distribution is used to analyze the stream of data.